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Date of Deposit: January 17, 2002

I hereby certify that this paper (and all documents referred to herein) is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to the Assistant Commissioner of Patents, Washington, D.C. 20231-0001.


Esperanza C. Licad

Jan 17, 2002
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Chien, D. *et al.*

Serial No.: **09/881,239**

Group Art Unit: **1632**

Filed : **06/14/2001**

Examiner: **To be assigned**

For : **HCV ANTIGEN/ANTIBODY COMBINATION ASSAY**

POWER OF ATTORNEY

Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. §1.36, Chiron Corporation, the Assignee of the above-identified patent application hereby appoints the following attorneys and agents to prosecute this application and to transact all business in the Patent and Trademark Office in connection therewith.

Lisa E. Alexander - Reg. No. 41,576
Robert P. Blackburn - Reg. No. 30,447
Anne S. Dollard - Reg. No. 43,935
Rebecca M. Hale - Reg. No. 45,680
Alisa A. Harbin - Reg. No. 33,895
Roberta L. Robins - Reg. No. 33,208
Cathleen M. Rocco - Reg. No. 46,172

Joseph H. Guth - Reg. No. 31,261
David P. Lentini - Reg. No. 33,944
Charlene A. Launer, Reg. No. 33,035
Kimberlin L. Morley, Reg. No. 35,391
Gary R. Fabian - Reg. No. 33,875
Dahna S. Pasternak - Reg. No. 41,411
Narinder S. Banait - Reg. No. 43,482

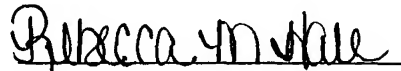
Please direct all correspondence and telephone calls regarding this application to the following:

Chiron Corporation
Intellectual Property
P.O. Box 8097
Emeryville, CA 94662-8097
(510) 923-3179
(510) 655-3542 (Fax)

CHIRON CORPORATION

Dated: January 17, 2002

By:

A handwritten signature in cursive script, appearing to read "Rebecca M. Hale", written over a horizontal line.

Rebecca M. Hale
Assistant Secretary

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

HCV ANTIGEN/ANTIBODY COMBINATION ASSAY

the specification of which (check one) is attached hereto x was filed on June 14, 2001, as Application Serial No. 09/881,239, and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

=====

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
<u>Number</u>	<u>Country</u>	<u>Day/Month/Year Filed</u>	<u>Yes</u>	<u>No</u>

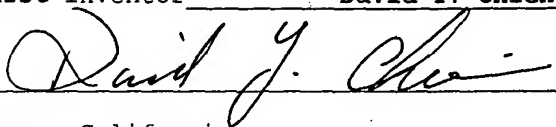
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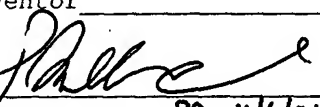
I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:


<u>Application</u>		<u>Status</u>
<u>Serial No.</u>	<u>Filing Date</u>	<u>Patented, Pending, Abandoned</u>
60/212,082	June 15, 2000	Abandoned
60/280,811	April 2, 2001	Pending
60/280,867	April 2, 2001	Pending

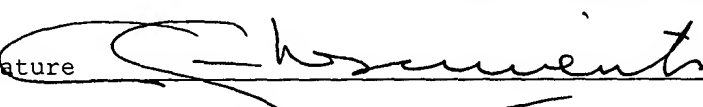
=====

I hereby declare that all statements herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor David Y. Chien
Inventor's signature  Date Nov. 5, 2001
Residence Alamo, California
Citizenship United States of America
Post Office Address c/o Chiron Corporation, P.O. Box 8097, Emeryville, Ca 94662-8097

Full name of second inventor Phillip Arcangel
Inventor's signature  Date 11/6/01
Residence OAKLAND CA 94612
Berkeley, California
Citizenship United States of America
Post Office Address c/o Chiron Corporation, P.O. Box 8097, Emeryville, Ca 94662-8097

Full name of third inventor Laura Tandeske
Inventor's signature  Date 11/6/01
Residence San Leandro, California
Citizenship United States of America
Post Office Address c/o Chiron Corporation, P.O. Box 8097, Emeryville, Ca 94662-8097

Full name of sole or fourth inventor Carlos George-Nascimento ^{CGN Dec 4, 2001}
Inventor's signature  Date Dec 4, 2001
Residence Walnut Creek, California
Citizenship Chile
Post Office Address c/o Chiron Corporation, P.O. Box 8097, Emeryville, Ca 94662-8097

Full name of sole or **fifth** inventor Doris Coit

Inventor's signature Doris Coit Date 11/5/01

Residence Petaluma, California

Citizenship United States of America

Post Office Address c/o Chiron Corporation, P.O. Box 8097, Emeryville, Ca 94662-8097

Full name of sole or **sixth** inventor Angelica Medina-Selby

Inventor's signature Angelica Medina-Selby Date 11.5.01

Residence San Francisco, California

Citizenship ~~Chile~~ US citizen AMS 11.5.01

Post Office Address c/o Chiron Corporation, P.O. Box 8097, Emeryville, Ca 94662-8097

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PATENT
Atty. Docket No. 16073.001

ASSIGNMENT

WHEREAS, WE, DAVID Y. CHIEN and PHILLIP ARCANGEL

hereinafter referred to as **ASSIGNORS**, have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **HCV ANTIGEN/ANTIBODY COMBINATION ASSAY**

Date of Execution: 11/05/2001 and 12/03/2001

Serial No: **60/212,082**

Filing Date: **06/15/2000**

COPY

WHEREAS, CHIRON CORPORATION, 4560 Horton Street, Emeryville, California 94608-2916, a corporation of the State of Delaware, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in the above invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to **ASSIGNORS** by **ASSIGNEE**, receipt of which is hereby acknowledged, **ASSIGNORS** have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said **ASSIGNEE**, and **ASSIGNEE'S** successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. §119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said **ASSIGNEE** as fully and exclusively as it would have been held and enjoyed by said **ASSIGNORS** had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNORS also agree that the U.S. serial number may be entered above by **ASSIGNEE** or its agents upon designation of the application number by the U.S. Patent and Trademark Office.

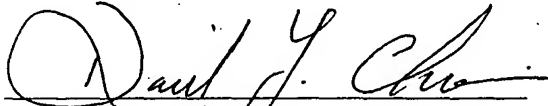
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ASSIGNMENT BRANCH

ASSIGNORS further agree that they will, without charge to said **ASSIGNEE**, but at **ASSIGNEE'S** expense, cooperate with **ASSIGNEE** in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as **ASSIGNEE** lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said **ASSIGNEE**, or **ASSIGNEE'S** successors and assigns.

IN TESTIMONY WHEREOF, **ASSIGNORS** have hereunto signed their name to this assignment on the date indicated below.

Inventor: **DAVID Y. CHIEN**

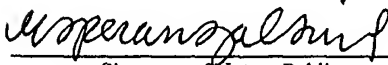
DATE Nov. 5, 2001

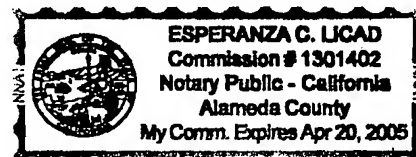

Signature

State of California |
County of Alameda | ss.

On Nov 5, 2001 before me, **Esperanza C. Licad, Notary Public**, personally appeared **David Y. Chien**, proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.


Signature of Notary Public



Place Notary Seal Above

Inventor: PHILLIP ARCANGEL

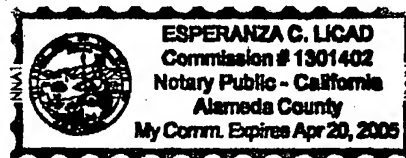
DATE 12/3/01

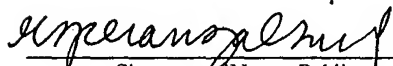

Signature

State of California |
County of Alameda | ss.

On Dec 3, 2001 before me, Esperanza C. Licad, Notary Public, personally appeared Phillip Arcangel, proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.




Signature of Notary Public

Place Notary Seal Above

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PATENT
Atty. Docket No. 16073.002

ASSIGNMENT

**WHEREAS, WE, DAVID Y. CHIEN, PHILLIP ARCANGEL,
LAURA TANDESKE, CARLOS GEORGE-NASCIMENTO, DORIS COIT, and
ANGELICA MEDINA-SELBY**

hereinafter referred to as **ASSIGNORS**, have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **HCV ANTIGEN/ANTIBODY COMBINATION ASSAY**

Date of Execution: 11/05/2001, 11/06/2001, and 12/04/2001

Serial No: **60/280,867**

Filing Date: **04/02/2001**

WHEREAS, CHIRON CORPORATION, 4560 Horton Street, Emeryville, California 94608-2916, a corporation of the State of Delaware, hereinafter referred to as **ASSIGNEE**, is desirous of acquiring the entire right, title and interest in the above invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to **ASSIGNORS** by **ASSIGNEE**, receipt of which is hereby acknowledged, **ASSIGNORS** have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said **ASSIGNEE**, and **ASSIGNEE'S** successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. §119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said **ASSIGNEE** as fully and exclusively as it would have been held and enjoyed by said **ASSIGNORS** had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNORS also agree that the U.S. serial number may be entered above by **ASSIGNEE** or its agents upon designation of the application number by the U.S. Patent and Trademark Office.

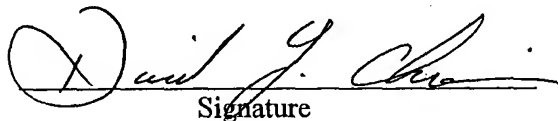
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ASSIGNORS further agree that they will, without charge to said *ASSIGNEE*, but at *ASSIGNEE'S* expense, cooperate with *ASSIGNEE* in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as *ASSIGNEE* lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said *ASSIGNEE*, or *ASSIGNEE'S* successors and assigns.

IN TESTIMONY WHEREOF, *ASSIGNORS* have hereunto signed their name to this assignment on the date indicated below.

Inventor: DAVID Y. CHIEN

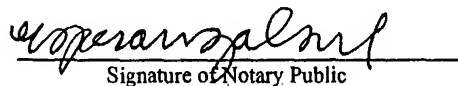
DATE Nov. 5, 2001

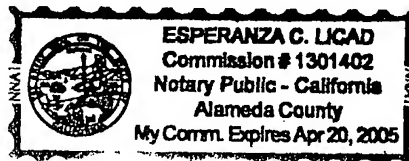

Signature

State of California |
County of Alameda | ss.

On NOV 5, 2001 before me, Esperanza C. Licad, Notary Public, personally appeared David Y. Chien, proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Signature of Notary Public



Place Notary Seal Above

Inventor: **PHILLIP ARCANGEL**

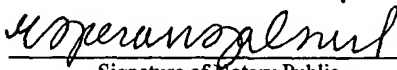
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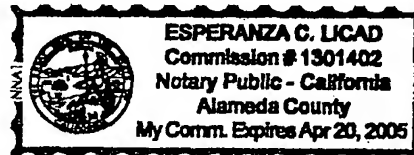

Signature

State of California |
County of Alameda | ss.

On NOV 6, 2001 before me, **Esperanza C. Licad, Notary Public**, personally appeared **Phillip Arcangel**, proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.


Signature of Notary Public



Place Notary Seal Above

Inventor: **LAURA TANDESKE**

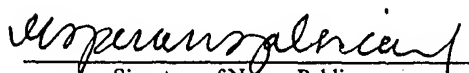
DATE 11/6/01

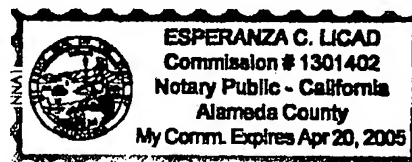

Signature

State of California |
County of Alameda | ss.

On NOV 6, 2001 before me, **Esperanza C. Licad, Notary Public**, personally appeared **Laura Tandeske**, proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.


Signature of Notary Public



Place Notary Seal Above

PATENT

Atty. Docket No. 16073.002

Inventor: CARLOS GEORGE-NASCIMENTO

DATE

Dec 4, 2001

Signature

State of California

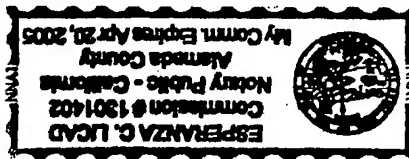
ss.

County of Alameda

On Dec 4, 2001 before me, Esperanza C. Licad, Notary Public, personally appeared Carlos George-Nascimento, proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Esperanza C. Licad
Signature of Notary Public



Place Notary Seal Above

Inventor: DORIS COIT

DATE

11/5/01

Signature

State of California

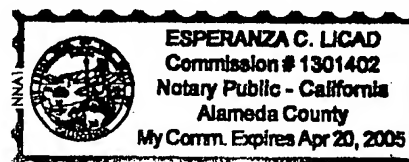
ss.

County of Alameda

On Nov 5, 2001 before me, Esperanza C. Licad, Notary Public, personally appeared Doris Coit, proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Esperanza C. Licad
Signature of Notary Public



Place Notary Seal Above

Inventor: ANGELICA MEDINA-SELBY

DATE Nov. 5, 2001

Angelica Medina-Selby
Signature

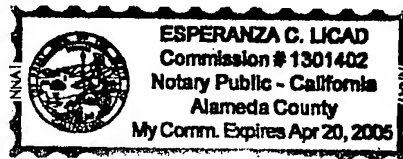
State of California

ss.

County of Alameda

On Nov 5, 2001 before me, Esperanza C. Licad, Notary Public, personally appeared Angelica Medina-Selby, proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Esperanza C. Licad
Signature of Notary Public

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PATENT
Atty. Docket No. 17039.001

ASSIGNMENT

**WHEREAS, WE, DAVID Y. CHIEN, PHILLIP ARCANGEL,
LAURA TANDESKE, CARLOS GEORGE-NASCIMENTO, DORIS COIT, and
ANGELICA MEDINA-SELBY**

hereinafter referred to as **ASSIGNORS**, have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES**

Date of Execution: 11/05/2001, 11/06/2001 and 12/04/2001

Serial No: **60/280,811**

Filing Date: **04/02/2001**

WHEREAS, CHIRON CORPORATION, 4560 Horton Street, Emeryville, California 94608-2916, a corporation of the State of Delaware, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in the above invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to **ASSIGNORS** by **ASSIGNEE**, receipt of which is hereby acknowledged, **ASSIGNORS** have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said **ASSIGNEE**, and **ASSIGNEE'S** successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. §119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said **ASSIGNEE** as fully and exclusively as it would have been held and enjoyed by said **ASSIGNORS** had this assignment and transfer not been made, to the full end and term of any Letters Patent.

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IN TESTIMONY WHEREOF, **ASSIGNORS** have hereunto signed their name to this assignment on the date indicated below.

Inventor: **DAVID Y. CHIEN**

DATE Nov. 5, 2001

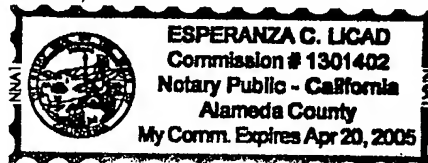
David Y. Chien
Signature

State of California |
County of Alameda | ss.

On Nov 5, 2001 before me, **Esperanza C. Licad, Notary Public**, personally appeared **David Y. Chien**, proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Esperanza C. Licad
Signature of Notary Public



Place Notary Seal Above

Inventor: PHILLIP ARCANGEL

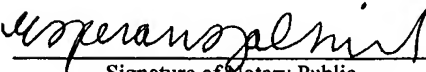
DATE 11/6/01


Signature

State of California |
County of Alameda | ss.

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WITNESS my hand and official seal.



Signature of Notary Public



Place Notary Seal Above

Inventor: LAURA TANDESKE

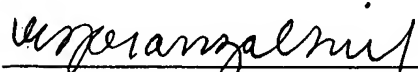
DATE 11/6/01

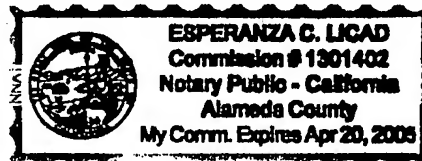

Signature

State of California |
County of Alameda | ss.

On NOV 6, 2001 before me, Esperanza C. Licad, Notary Public, personally appeared Laura Tandeske, proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.


Signature of Notary Public



Place Notary Seal Above

Inventor: CARLOS GEORGE-NASCIMENTO ^{CG-N Dec 4, 2001}

DATE Dec 4, 2001

[Signature]
Signature

State of California

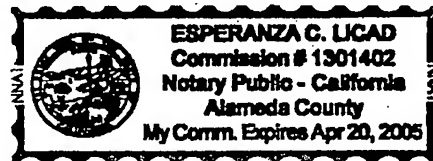
SS.

County of Alameda

On Dec 4, 2001 before me, **Esperanza C. Licad, Notary Public**, personally appeared **Carlos George-Nascimento**, proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[Signature]
Signature of Notary Public



Place Notary Seal Above

Inventor: DORIS COIT

DATE 11/5/01

[Signature]
Signature

State of California

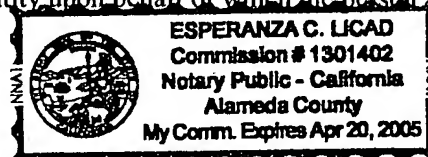
SS.

County of Alameda

On Nov 5, 2001 before me, **Esperanza C. Licad, Notary Public**, personally appeared **Doris Coit**, proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[Signature]
Signature of Notary Public



Place Notary Seal Above

Inventor: ANGELICA MEDINA-SELBY

DATE 11.5.01

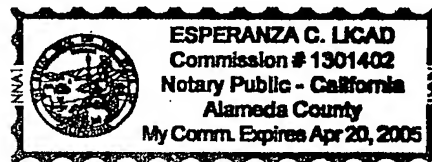
Angelica Medina-Selby
Signature

State of California |
County of Alameda | ss.

On Nov 5, 2001 before me, Esperanza C. Licad, Notary Public, personally appeared Angelica Medina-Selby, proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Esperanza C. Licad
Signature of Notary Public



Place Notary Seal Above